

BookletChart™

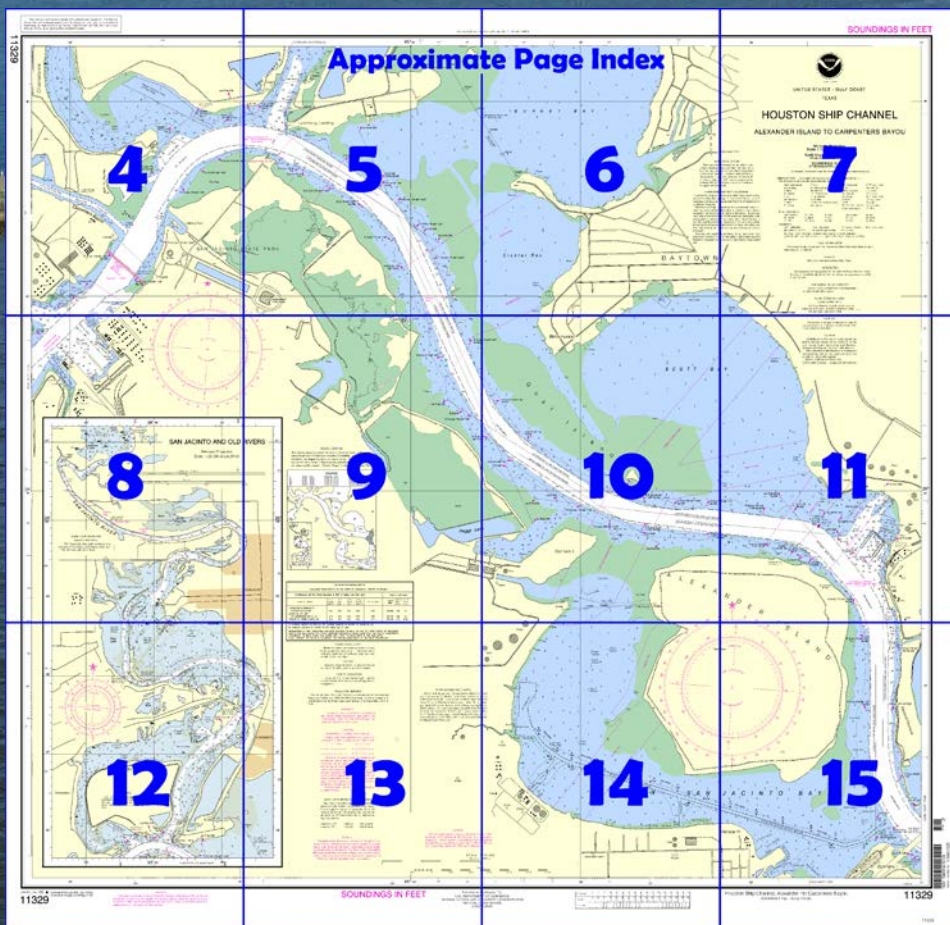
Houston Ship Channel – Alexander Island to Carpenters Bayou NOAA Chart 11329



A reduced-scale NOAA nautical chart for small boaters
When possible, use the full-size NOAA chart for navigation.



- Complete, reduced-scale nautical chart
- Print at home for free
- Convenient size
- Up-to-date with Notices to Mariners
- Compiled by NOAA's Office of Coast Survey, the nation's chartmaker



**Published by the
National Oceanic and Atmospheric Administration
National Ocean Service
Office of Coast Survey
www.NauticalCharts.NOAA.gov
888-990-NOAA**

What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart™?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

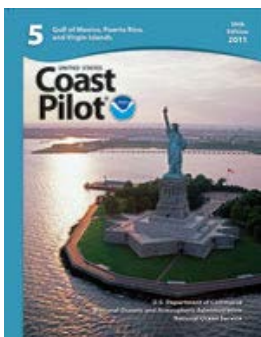
Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at <http://www.NauticalCharts.NOAA.gov>.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.

For latest Coast Pilot excerpt visit the Office of Coast Survey website at <http://www.nauticalcharts.noaa.gov/nsd/searchbychart.php?chart=11329>



[Selected Excerpts from Coast Pilot]

Galveston Bay is a large irregularly shaped shallow body of water on the coast of Texas, about 285 miles W from Southwest Pass and 690 miles NW from Dry Tortugas. The bay is about 30 miles long in a general NNE and SSW direction, about 17 miles wide at its widest part, and has general depths of 7 to 9 feet.

A channel from Houston Ship Channel follows the W end of **Hog Island** and Tabbs Bay to **Baytown** on the N shore. **Goose**

Creek is navigable for craft drawing up to 5 feet to a highway bridge 2.8 miles above the entrance. The channel, unmarked and ill-defined, runs close aboard the N shore of the island N of the W end of Hog Island and

leads to Goose Creek. Private poles and markers may at times mark the preferred route. Goose Creek contains numerous oil wells, pipelines, pilings, and other hazards; local knowledge is advised. The creek is used by oil well supply and commercial fishing vessels.

The highway bridge 2.8 miles above the entrance has a 48-foot fixed span with a clearance of 9 feet. Two highway and two railroad bridges between the entrance and this bridge have fixed spans with a minimum width of 32 feet and minimum clearance of 14 feet. Overhead power cables crossing the creek between the mouth and the highway bridge 2.8 miles above the entrance have a least clearance of 36 feet.

Baytown, 4 miles above Morgans Point on the NE side of the channel, is the site of the Exxon Company, U.S.A., refining facilities.

About 1.5 miles above the Baytown facilities, a privately maintained channel leads in a SW direction from the main ship channel along the NW end of **Alexander Island** to the piers of a powerplant at the head of the basin. In August 1982, the reported controlling depth in the channel was 11 feet.

San Jacinto River branches N from the ship channel at **Lynchburg**, 8 miles above Morgans Point. It has a navigable depth of about 12 feet for about 5 miles, thence 5 to 6 feet to the Interstate Route 10 bridge on the Beaumont-Houston highway about 13.8 miles above the mouth. The bridge has a fixed span with a clearance of 24 feet. The overhead power cable near the river entrance at Lynchburg has a clearance of 85 feet.

Twin fixed highway bridges 1.8 miles above the mouth have clearances of 22 feet. The Missouri-Pacific Railroad bridge, 4.2 miles above the mouth has a fixed span with clearance of 22 feet. **Highlands** and **Sheldon** are villages 5.5 and 13 miles, respectively, above Lynchburg.

Old River, 8.4 miles above Morgans Point, leads NW from the ship channel. The channel in Old River is marked by private aids for 0.6 mile and has a navigable depth of about 7 feet.

unloader with a capacity of 850 tons per hour.

Port of Houston lies within Harris County and is one of the largest ports in the United States in total tonnage handled. The port extends along Houston Ship Channel from the turning basin at the head of the channel to Morgans Point and takes in Harrisburg, Manchester, Clinton Park, Galena Park, Pasadena, Lynchburg, and Baytown. The port also includes Buffalo Bayou, Sims Bayou, Hunting Bayou, Greens Bayou, Boggy Bayou, Goose Creek, Cedar Bayou, Barbours Cut, and the new industrial development and port facilities at Bayport on Galveston Bay.

Houston Ship Channel extends from Galveston Harbor across Galveston Bay and through parts of San Jacinto River and Buffalo Bayou to the city of Houston, a distance of 44 miles. The entrance to the channel is at the NW end of Bolivar Roads, between Port Bolivar and Texas City channels. The entrance is marked by a **318°** lighted range and by a lighted bell buoy on the NE side of the channel. The channel through the bay is marked by lights, lighted ranges, buoys, daybeacons, and a leading light at Baytown Bend.

The Coast Guard advises vessels exercise particular caution where the channel intersects the Intracoastal Waterway, about 6.6 miles above the entrance jetties and just below Lighted Buoys 25 and 26. Situations resulting in collisions, groundings, and close quarters passing have been reported by both shallow and deep-draft vessels. The Coast Guard has requested vessels make a **SECURITE** call on VHF-FM channel 13 prior to crossing the Intracoastal Waterway, particularly during periods of restricted visibility.

**U.S. Coast Guard Rescue Coordination Center
24 hour Regional Contact for Emergencies**

RCC New Orleans

Commander

8th CG District

New Orleans, LA

(504) 589-6225

Navigation Managers Area of Responsibility



NOAA's navigation managers serve as ambassadors to the maritime community.

They help identify navigational challenges facing professional and recreational mariners, and provide NOAA resources and information for safe navigation. For additional information, please visit nauticalcharts.noaa.gov/service/navmanagers

To make suggestions or ask questions online, go to nauticalcharts.noaa.gov/inquiry.

To report a chart discrepancy, please use ocsdata.ncd.noaa.gov/idrs/discrepancy.aspx.

Lateral System As Seen Entering From Seaward

on navigable waters except Western Rivers



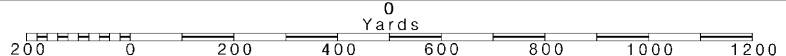
For more information on aids to navigation, including those on Western Rivers, please consult the latest USCG Light List for your area.

These volumes are available online at <http://www.navcen.uscg.gov>



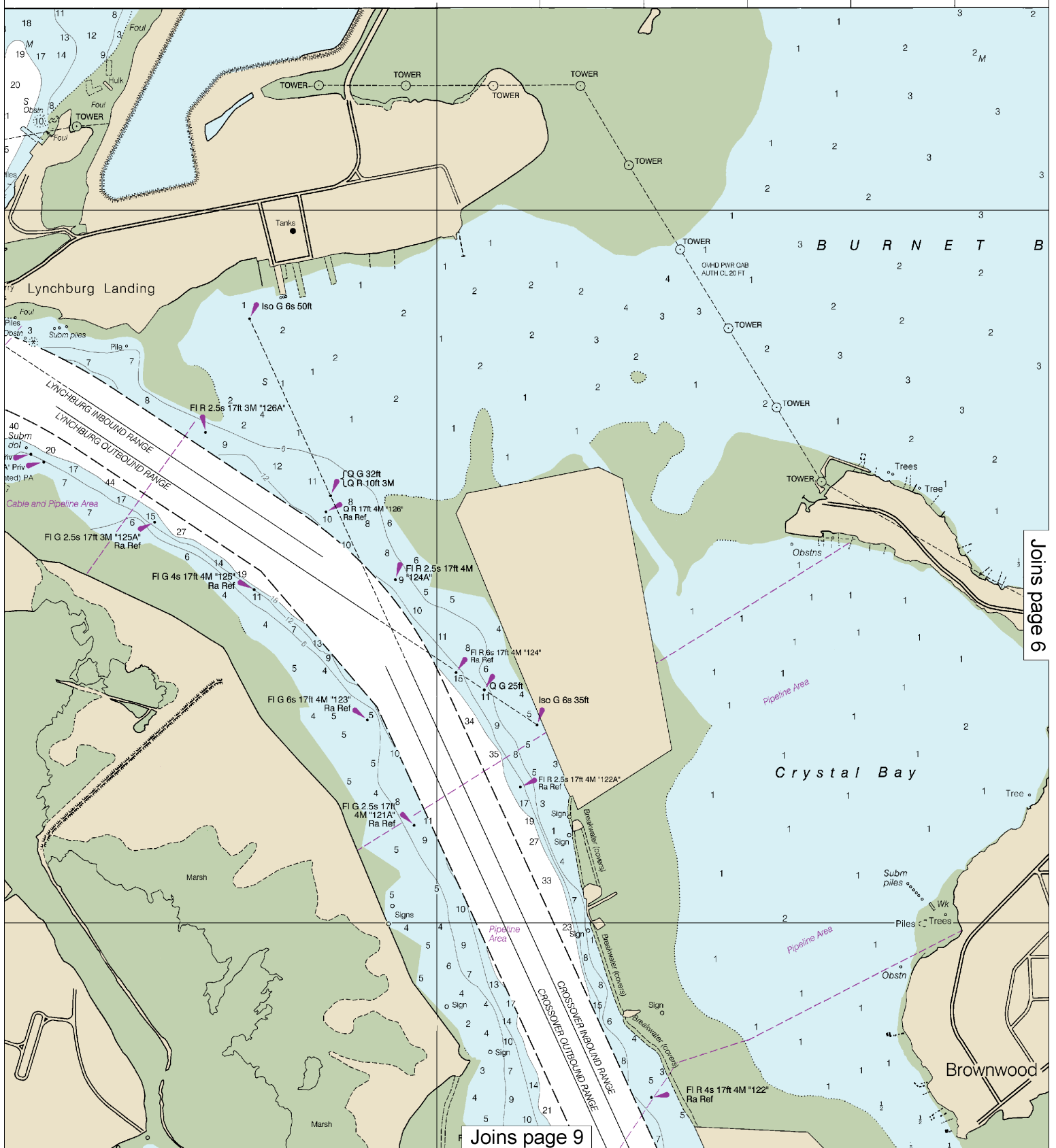
Printed at reduced scale.

See Note on page 5.



CONTINUED ON EXTENSION

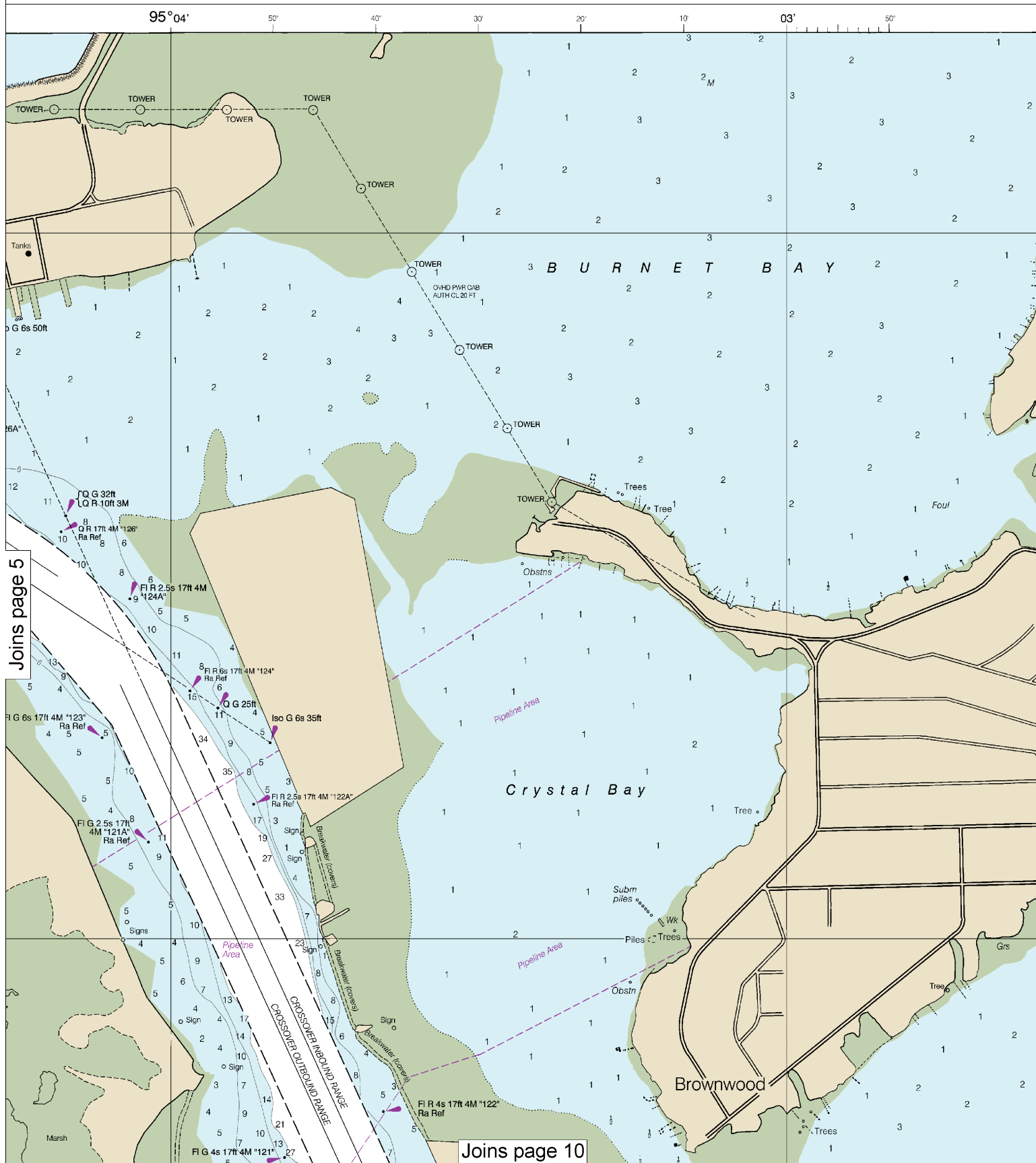
95°04'



Joins page 6

Joins page 9

This BookletChart was reduced to 75% of the original chart scale.
The new scale is 1:13333. Barscales have also been reduced and
are accurate when used to measure distances in this BookletChart.



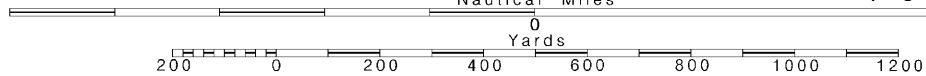
6

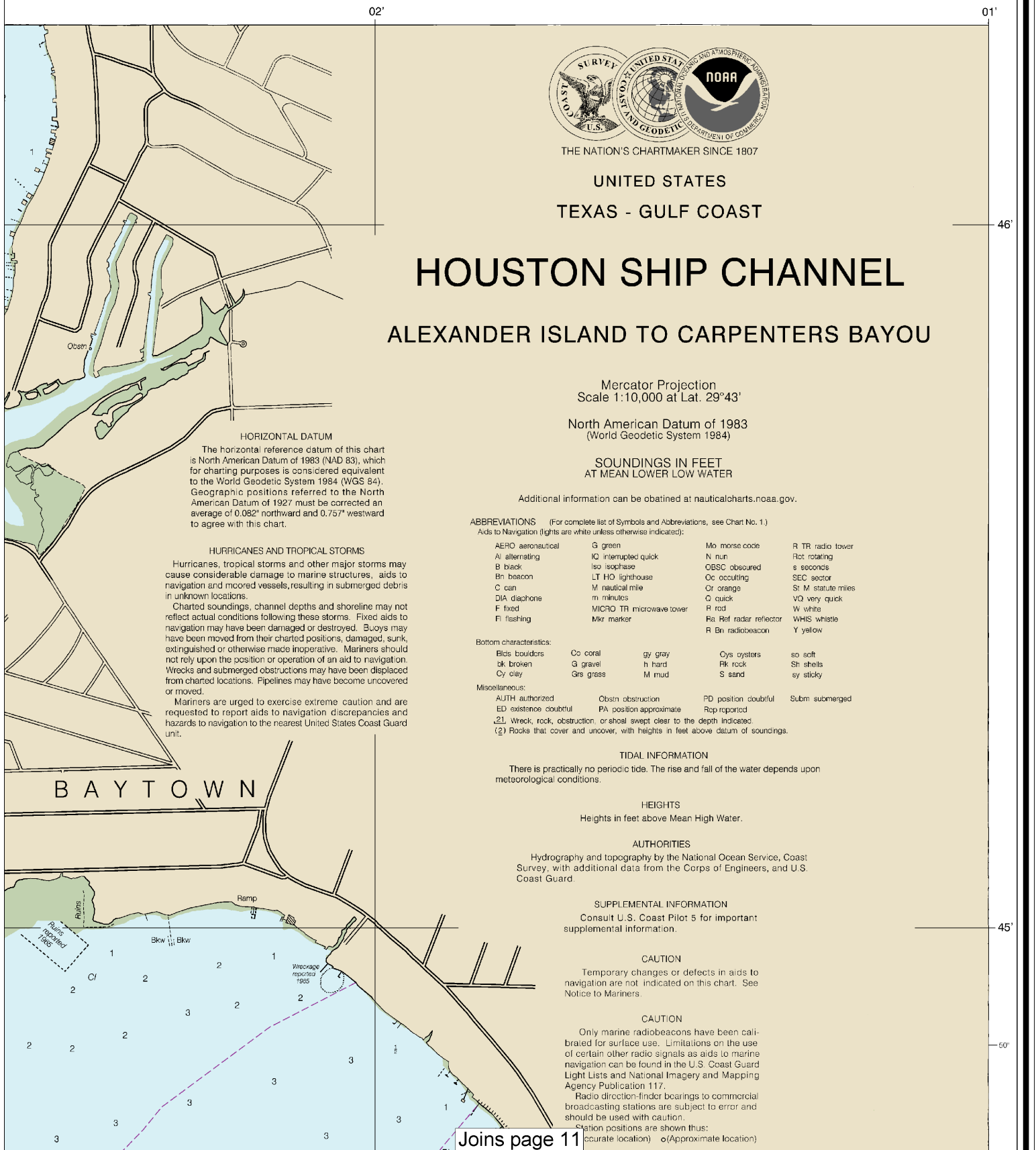
Note: Chart grid lines are aligned with true north.

Printed at reduced scale.

SCALE 1:10,000

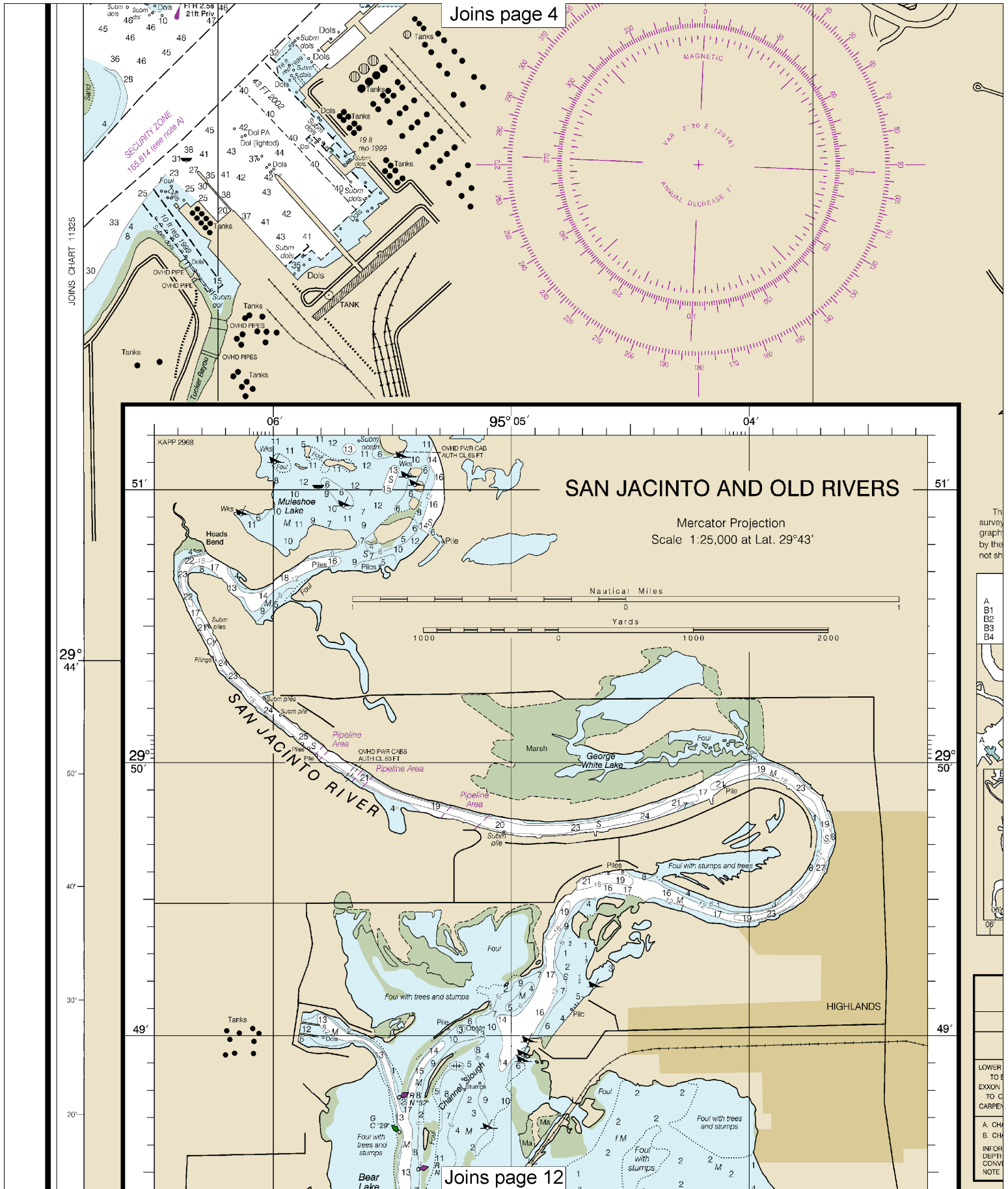
See Note on page 5.





Last Correction: 11/30/2016. Cleared through:
LNM: 4716 (11/22/2016), NM: 4416 (10/29/2016)

revising this chart.



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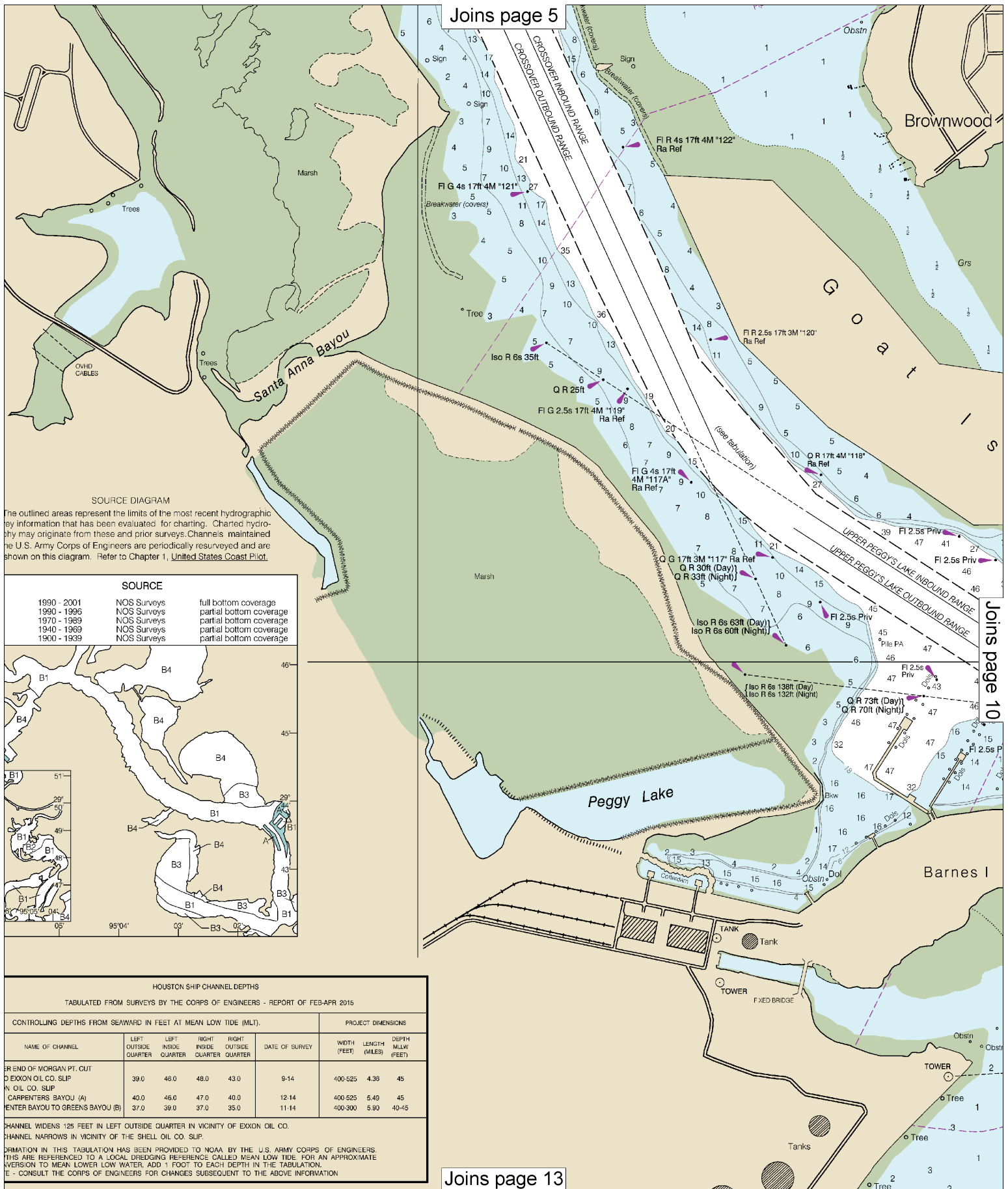
Note: Chart grid lines are aligned with true north.

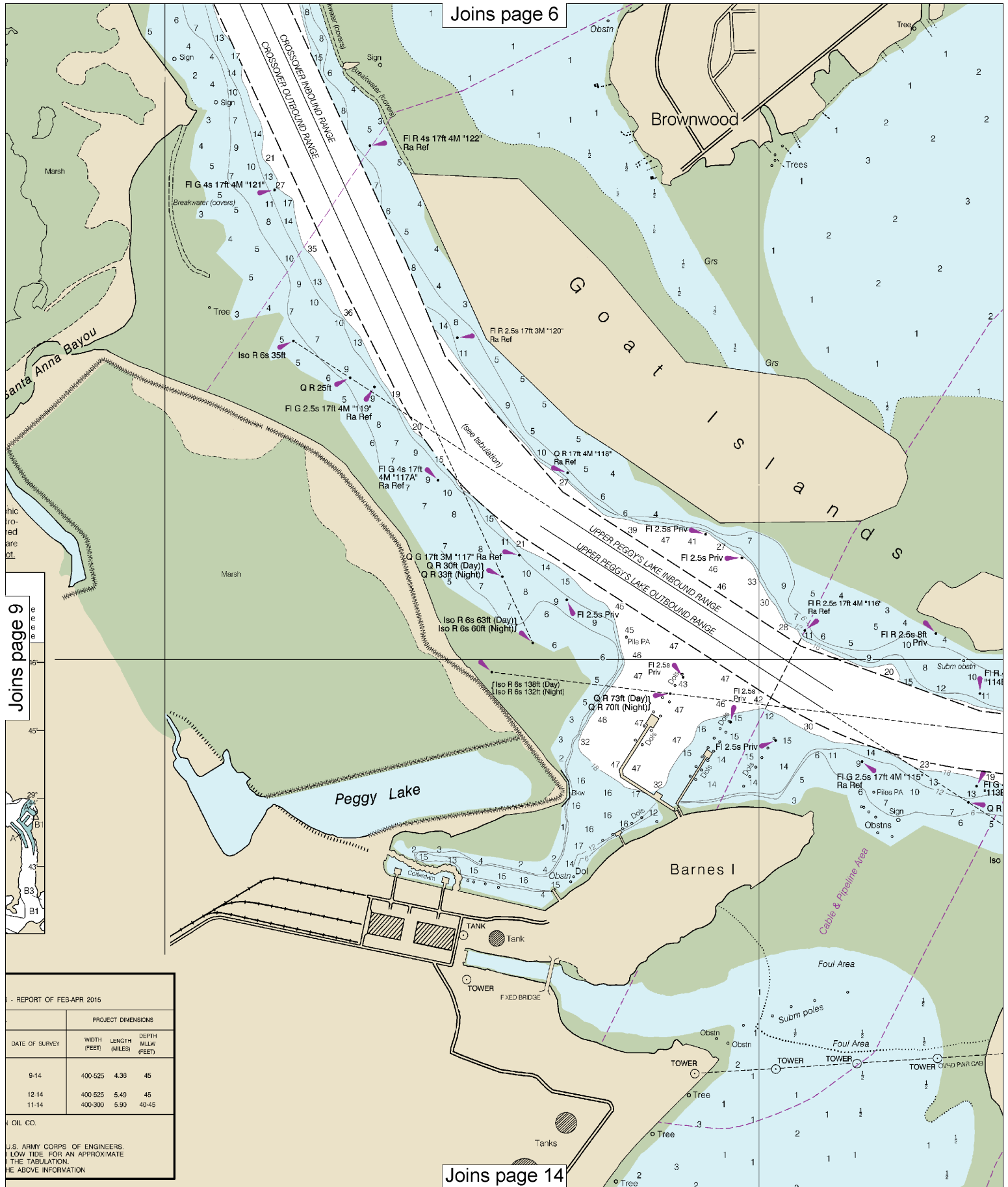
Printed at reduced scale.

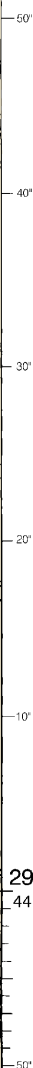
SCALE 1:10,000
Nautical Miles

See Note on page 5.

Yards
200 0 200 400 600 800 1000 1200







TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF FEB-APR 2015

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOW TIDE (MLT).						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH MLLW (FEET)
BR END OF MORGAN PT. CUT								
D EXXON OIL CO. SLIP	39.0	46.0	48.0	43.0	9-14	400-625	4.36	45
N OIL CO. SLIP								
CARPENTERS BAYOU (A)	40.0	46.0	47.0	40.0	12-14	400-625	5.49	45
ENTER BAYOU TO GREENS BAYOU (B)	37.0	39.0	37.0	35.0	11-14	400-300	5.90	40-45

CHANNEL WIDENS 125 FEET IN LEFT OUTSIDE QUARTER IN VICINITY OF EXXON OIL CO. SLIP.

CHANNEL NARROWS IN VICINITY OF THE SHELL OIL CO. SLIP.

FORMATION IN THIS TABULATION HAS BEEN PROVIDED TO NOAA BY THE U.S. ARMY CORPS OF ENGINEERS. THIS ARE REFERENCED TO A LOCAL DREDGING REFERENCE CALLED MEAN LOW TIDE. FOR AN APPROXIMATE REVERSION TO MEAN LOWER LOW WATER, ADD 1 FOOT TO EACH DEPTH IN THE TABULATION.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

WARNING

The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:

Pipeline Area

Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

NOAA VHF-FM WEATHER BROADCASTS

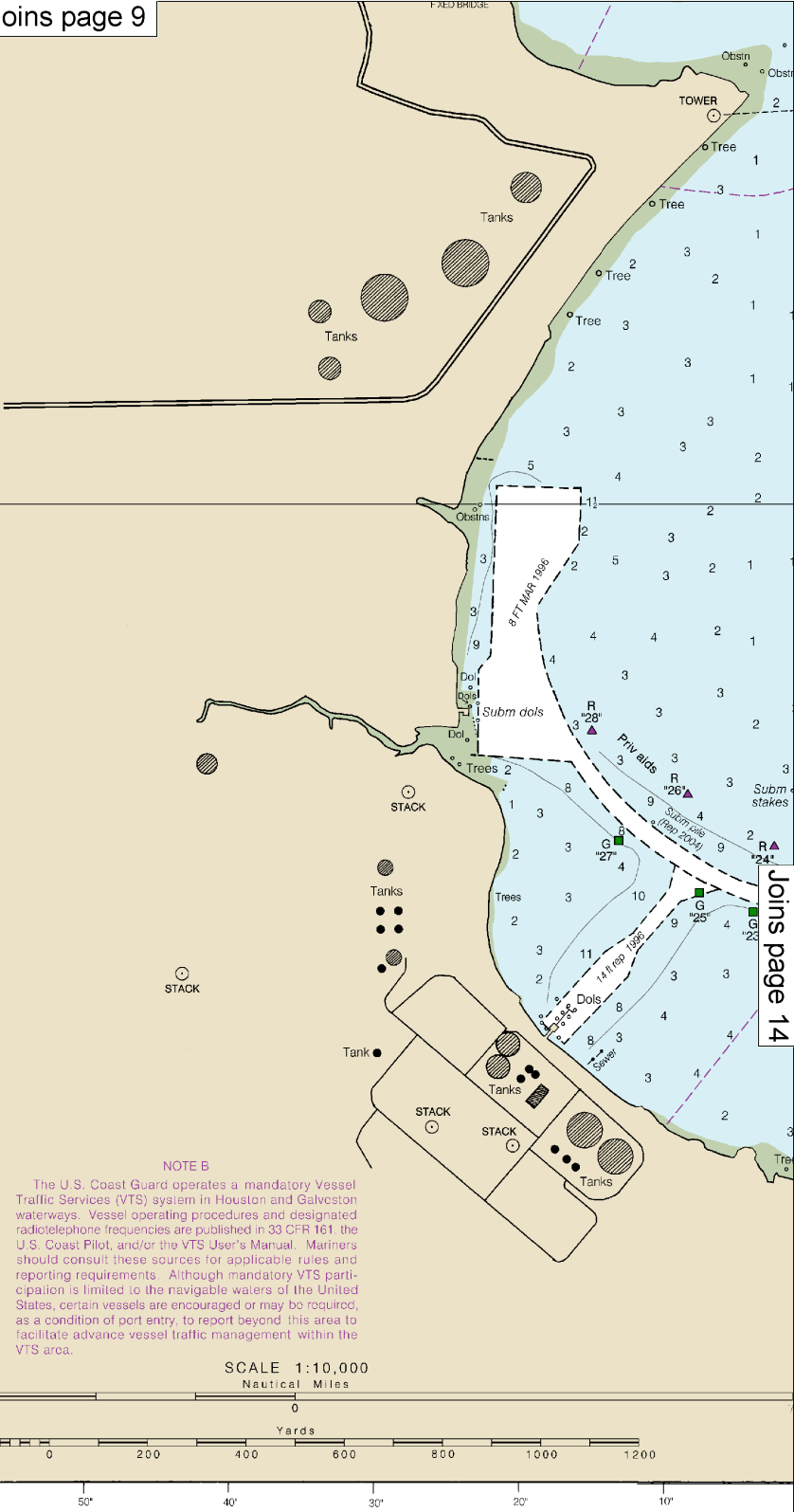
The National Weather Service stations listed below provide continuous marine weather broadcasts. The range of reception is variable, but for most stations is usually 20 to 40 miles from the antenna site.

Galveston, TX	KHB-40	162.55 MHz
Houston, TX	KGG-66	162.40 MHz

NOTE A

Navigation regulations are published in Chapter 2, U.S. Coast Pilot 5. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 8th Coast Guard District in New Orleans, LA, or at the Office of the District Engineer, Corps of Engineers in Galveston, TX. Refer to charted regulation section numbers.

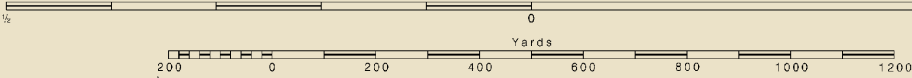
Joins page 9



NOTE B

The U.S. Coast Guard operates a mandatory Vessel Traffic Services (VTS) system in Houston and Galveston waterways. Vessel operating procedures and designated radiotelephone frequencies are published in 33 CFR 161, the U.S. Coast Pilot, and/or the VTS User's Manual. Mariners should consult these sources for applicable rules and reporting requirements. Although mandatory VTS participation is limited to the navigable waters of the United States, certain vessels are encouraged or may be required, as a condition of port entry, to report beyond this area to facilitate advance vessel traffic management within the VTS area.

SCALE 1:10,000
Nautical Miles



95° 04' 50' 40' 30' 20' 10'

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

PROJECT DIMENSIONS			
DATE OF SURVEY	WIDTH (FEET)	LENGTH (MILES)	DEPTH (FEET)
9-14	400-525	4.38	45
12-14	400-525	5.49	45
11-14	400-300	5.90	40-45

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List for g aids to

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LES submarine le areas

Joins page 13

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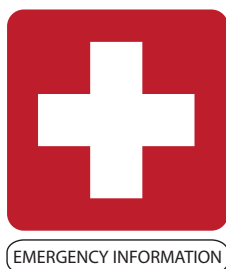
DINGS IN FEET

14

Note: Chart grid lines are aligned with true north.

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS	1	2	3	4	5	6
FEET	6	12	18	24	30	36
METERS	1	2	3	4	5	6



VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls to Coast Guard and others, and to initiate calls to other

vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 and 78A – Recreational boat channels.

Getting and Giving Help — Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.



NOAA Weather Radio All Hazards (NWR) is a nationwide network of radio stations broadcasting continuous weather information directly from the nearest National Weather Service office. NWR broadcasts official Weather Service warnings, watches, forecasts and other hazard information 24 hours a day, 7 days a week.

<http://www.nws.noaa.gov/nwr/>

Distress Call Procedures

- Make sure radio is on.
- Select Channel 16.
- Press/Hold the transmit button.
- Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- Release transmit button.
- Wait for 10 seconds — If no response Repeat MAYDAY call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!

Quick References

Nautical chart related products and information	—	http://www.nauticalcharts.noaa.gov
Interactive chart catalog	—	http://www.charts.noaa.gov/InteractiveCatalog/nrnc.shtml
Report a chart discrepancy	—	http://ocsddata.ncd.noaa.gov/idrs/discrepancy.aspx
Chart and chart related inquiries and comments	—	http://ocsddata.ncd.noaa.gov/idrs/inquiry.aspx?frompage=ContactUs
Chart updates (LNM and NM corrections)	—	http://www.nauticalcharts.noaa.gov/mcd/updates/LNM_NM.html
Coast Pilot online	—	http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm
Tides and Currents	—	http://tidesandcurrents.noaa.gov
Marine Forecasts	—	http://www.nws.noaa.gov/om/marine/home.htm
National Data Buoy Center	—	http://www.ndbc.noaa.gov/
NowCoast web portal for coastal conditions	—	http://www.nowcoast.noaa.gov/
National Weather Service	—	http://www.weather.gov/
National Hurricane Center	—	http://www.nhc.noaa.gov/
Pacific Tsunami Warning Center	—	http://ptwc.weather.gov/
Contact Us	—	http://www.nauticalcharts.noaa.gov/staff/contact.htm



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This Booklet chart has been designed for duplex printing (printed on front and back of one sheet). If a duplex option is not available on your printer, you may print each sheet and arrange them back-to-back to allow for the proper layout when viewing.